

INTERNATIONAL SEARCH REPORT

PCT/GB2004/001079

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L51/30 C09K11/06 H05B33/14 C07F5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01L C09K H05B C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	CHENG, CHUNG-CHIH ET AL: "Syntheses and remarkable photophysical properties of 5-(2-pyridyl) pyrazolate boron complexes; photoinduced electron transfer" CHEMICAL COMMUNICATIONS, no. 20, 3 October 2003 (2003-10-03), pages 2628-2629, XP002286359 ISSN: 1359-7345 compound 2d -----	1-4, 6, 7, 10, 12-31, 35
A	US 6 368 731 B1 (HEUER HELMUT-WERNER ET AL) 9 April 2002 (2002-04-09) cited in the application the whole document ----- -/-	1-36

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

29 June 2004

Date of mailing of the International search report

12/07/2004

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INTERNATIONAL SEARCH REPORT

PCT/GB2004/001079

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LIU Y ET AL: "Highly efficient white organic electroluminescence from a double-layer device based on a boron hydroxyphenylpyridine complex" ANGEWANDTE CHEMIE, INTERNATIONAL EDITION, vol. 41, no. 1, 4 January 2002 (2002-01-04), pages 182-184, XP002286360 ISSN: 1433-7851 the whole document -----	1-36
A	US 6 287 713 B1 (HEUER HELMUT WERNER ET AL) 11 September 2001 (2001-09-11) cited in the application the whole document -----	1-36
A	LI ET AL: "A mixed pyridine-phenol boron complex as an organic electroluminescent material" CHEMICAL COMMUNICATIONS, no. 16, 2000, pages 1551-1552, XP002231558 ISSN: 1359-7345 the whole document -----	1-36
A	WU Q ET AL: "Synthesis, structure and electroluminescence of BR ₂ q (R = Et, Ph, 2-naphthyl and q = 8-hydroxyquinolato)" CHEMISTRY OF MATERIALS, vol. 12, no. 1, January 2000 (2000-01), pages 79-83, XP000919563 ISSN: 0897-4756 the whole document -----	1-36

INTERNATIONAL SEARCH REPORT
Information on patent family members

PCT/GB2004/001079

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6368731	B1	17-01-2002	DE 19829949 A1 CA 2276808 A1 EP 1074602 A1 JP 2000138096 A KR 2000011463 A US 2002006528 A1	05-01-2000 04-01-2000 07-02-2001 16-05-2000 25-02-2000 17-01-2002
US 6287713	B1	11-09-2001	DE 19829947 A1 CA 2276806 A1 EP 0969531 A2 JP 2000150163 A KR 2000011462 A TW 419929 B	05-01-2000 04-01-2000 05-01-2000 30-05-2000 25-02-2000 21-01-2001